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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,201	09/29/2000	Sanae Tagami	197893US0	1428
22850	7590	01/07/2004		
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314				
			EXAMINER GARRETT, DAWN L	
			ART UNIT 1774	PAPER NUMBER 22
DATE MAILED: 01/07/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

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# Office Action Summary

Application No.

09/675,201

Applicant(s)

TAGAMI ET AL.

Examiner

Dawn Garrett

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 28 October 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 3-8, 11 and 14-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 14 is/are allowed.
- 6) ☒ Claim(s) 3-8, 11 and 15-17 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 September 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

## **DETAILED ACTION**

### ***Response to Amendment***

1. This Office action is responsive to the amendment, paper no. 21, received October 28, 2003. The amended abstract is noted and has been entered. Claims 1-2, 9, 10, and 12-13 are cancelled. Claims 3-7, 11, 15, and 16 are amended. Claims 3-8, 11, and 14-17 are pending.
2. The objection to the abstract set forth in paper no. 19 (mailed 7-28-2003), paragraph 2, is withdrawn due to the amendment of the abstract.
3. The objection to claim 3 set forth in paper no. 19, paragraph 4, is withdrawn due to the amendment.
4. The objection to claim 13 in paper no. 19, par. 5 is withdrawn due to the cancellation of claim 13.
5. The rejection of claims 3-6, 11-13 and 15 under 35 USC 102(b) as being anticipated by Nakatsuka et al. (JP 10-168445) in paper no. 19, par. 8, is withdrawn.
6. The rejection of claims 7 and 8 under 35 USC 103(a) as being unpatentable over Nakatsuka et al. (JP 10-168445) in paper no. 19, par. 9, is withdrawn.

### ***Claim Objections***

7. Claim 3 is objected to because of the following informalities: It is not clear in claim 3 that "a compound having a fluoranthene skeleton structure substituted at least with an amine group or an alkenyl group" is intended to be the same as the "compounds represented by the following general formula [3], [17], and [18]". Clarification and/or correction are suggested for clarity.

***Claim Rejections - 35 USC § 112***

8. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

9. Claims 3-8, 11, and 15-17 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

10. Claim 3 is indefinite because the claim sets forth variables X1 to X20 while the structural formula only depicts X1 to X12. Clarification and correction are required.

11. Claim 4 is indefinite because the claim sets forth limitations drawn to formulae not set forth in independent claim 3 upon which claim 4 depends.

12. Claim 15 is indefinite because the claim sets forth variables X1 to X20 while the structural formula only depicts X1 to X12. Clarification and correction are required.

13. Claim 16 sets forth formulas that are not within the scope of claims 3, 17, or 18 given in independent claim 3. The formulas not reading upon formulas 3, 17, or 18 are B-3 to B-8 and B10 to B-12.

14. Claim 17 sets forth formulas that are not within the scope of claims 3, 17, or 18 given in independent claim 15. The formulas not reading upon formulas 3, 17, or 18 are B-3 to B-8 and B10 to B-12.

***Double Patenting***

15. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11

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F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

16. Claims 3-8, 11, and 14-17 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 11-18 of copending Application No. 10/244,164. Although the conflicting claims are not identical, they are not patentably distinct from each other because the application contains identical overlapping subject matter with application no. 10/244,164.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

#### ***Allowable Subject Matter***

17. Claim 14 is allowed as previously indicated. Claims 3-8, 11, and 15-17 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action. Compounds 3, 17, and 18 wherein at least one substituent is an alkenyl group or an amine group have not been found in a layer comprising a metal complex of quinoline in an electroluminescent device.

***Response to Arguments***

18. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection and withdrawal of the rejection over Nakatsuka et al. (JP 10-168445). Applicant's arguments with regard to Nakatsuka et al. were persuasive in the withdrawal of the rejections over Nakatsuka et al.

***Conclusion***

19. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

20. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dawn Garrett whose telephone number is (571) 272-1523. The examiner can normally be reached Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly can be reached at (571) 272-1526 . The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

*D.G.*

D.G.

December 31, 2003

*Cynthia H. Kelly*

CYNTHIA H. KELLY  
SUPERVISORY PATENT EXAMINER  
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